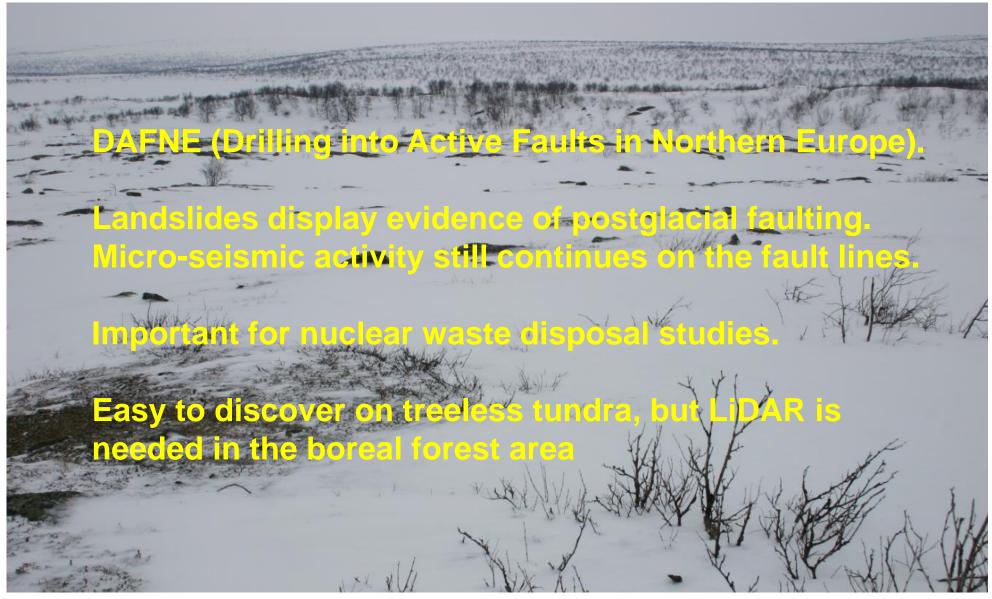


Paleo-landslides in the Suasselkä Fault-zone, Finnish Lapland, derived from LiDAR data

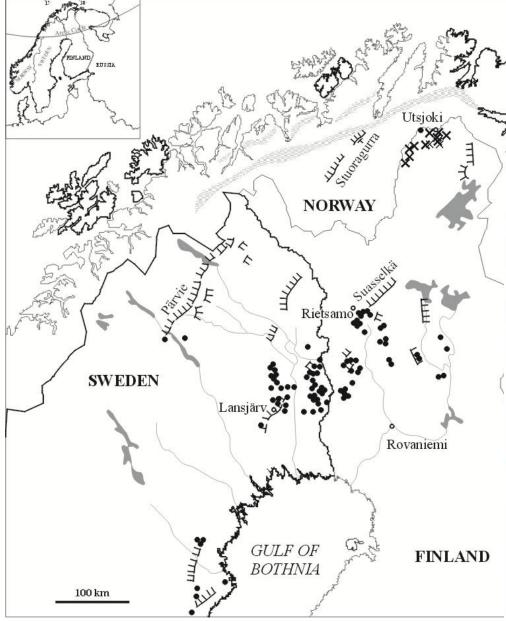
Raimo Sutinen and Eija Hyvönen Geological Survey of Finland (GTK)



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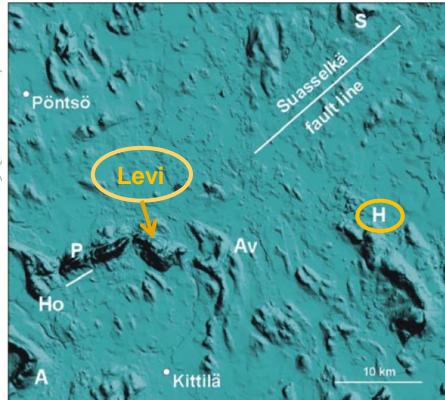






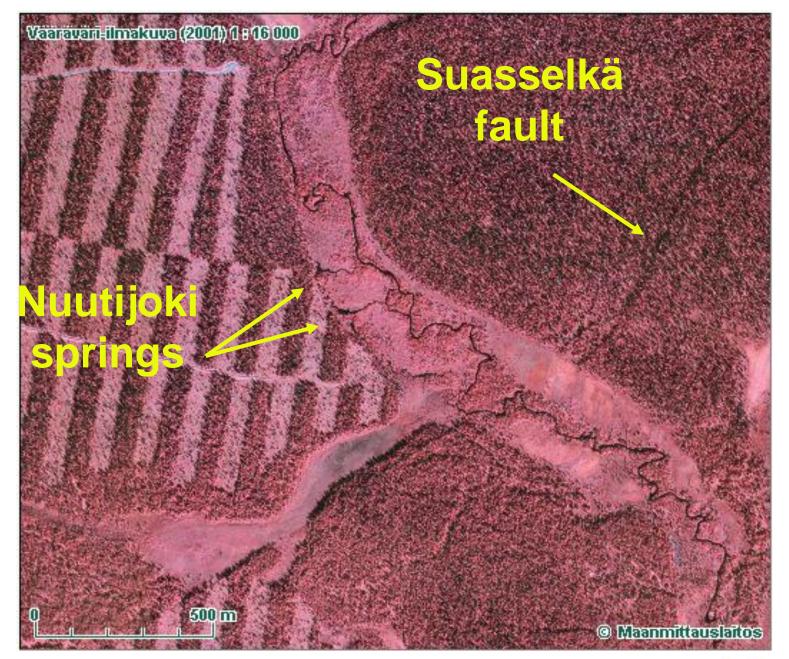
Major faults (Mag 7-8) and paleo-landslides (dots&crosses) in northern Fennoscandia.

H=Hanhilaki 14C-age 9,730 cal. BP from buried birch remains

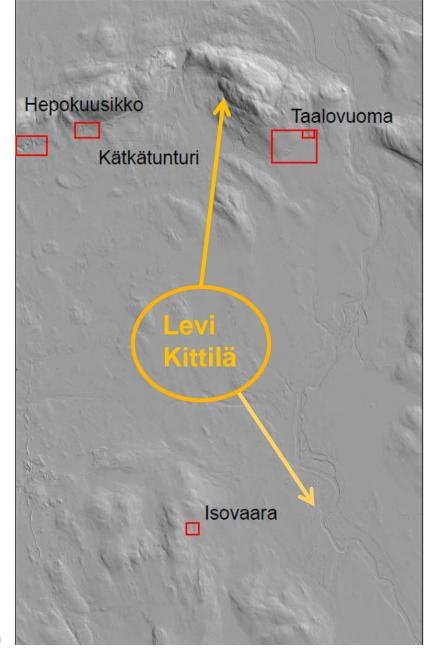




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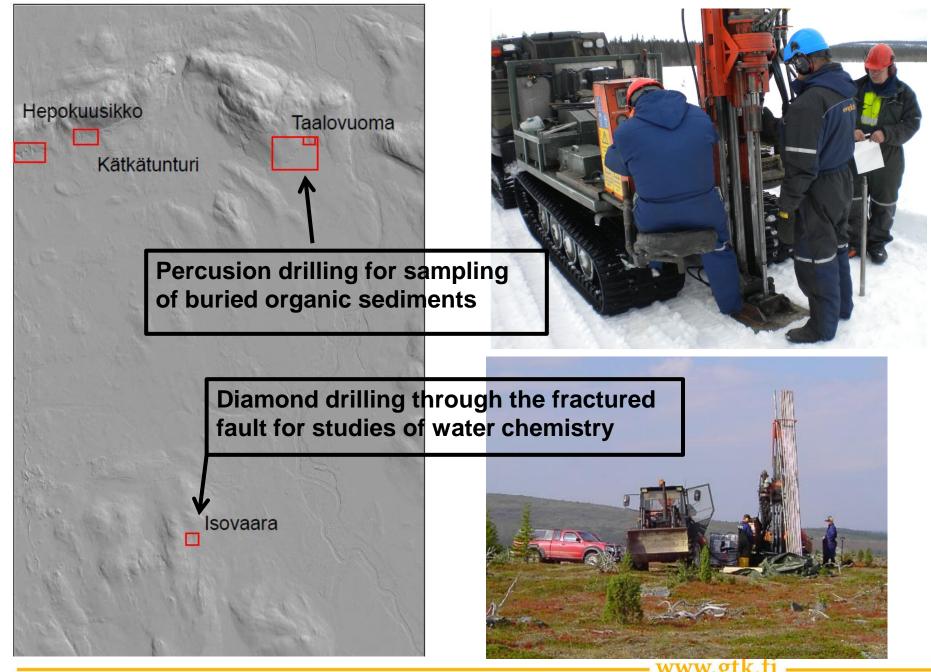






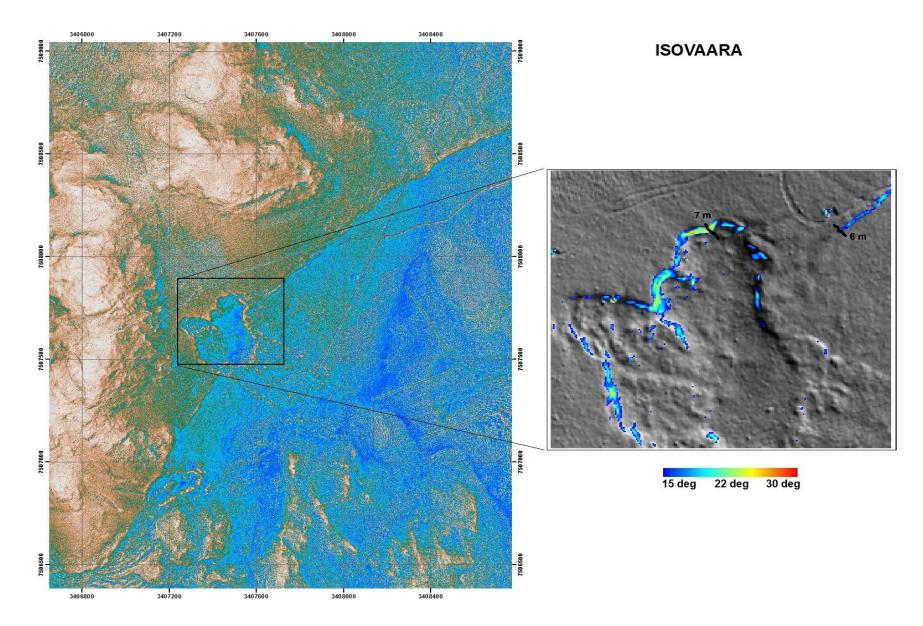


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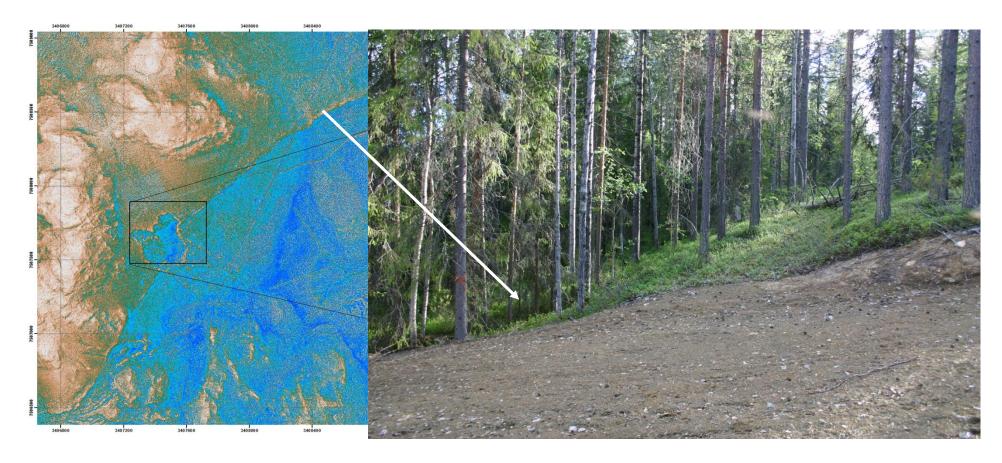


Sutinen&Hyvönen 17th May, 2012 CRSS2012, Levi

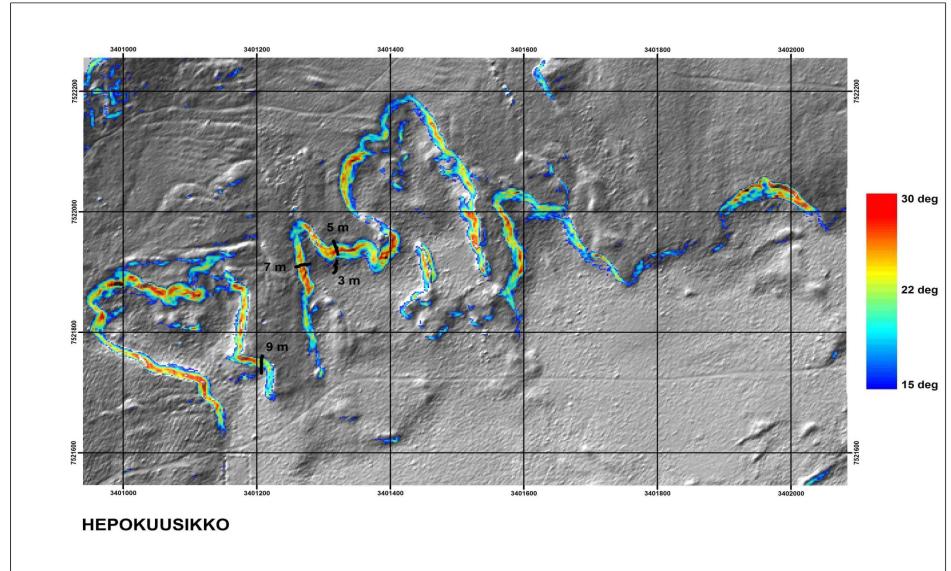




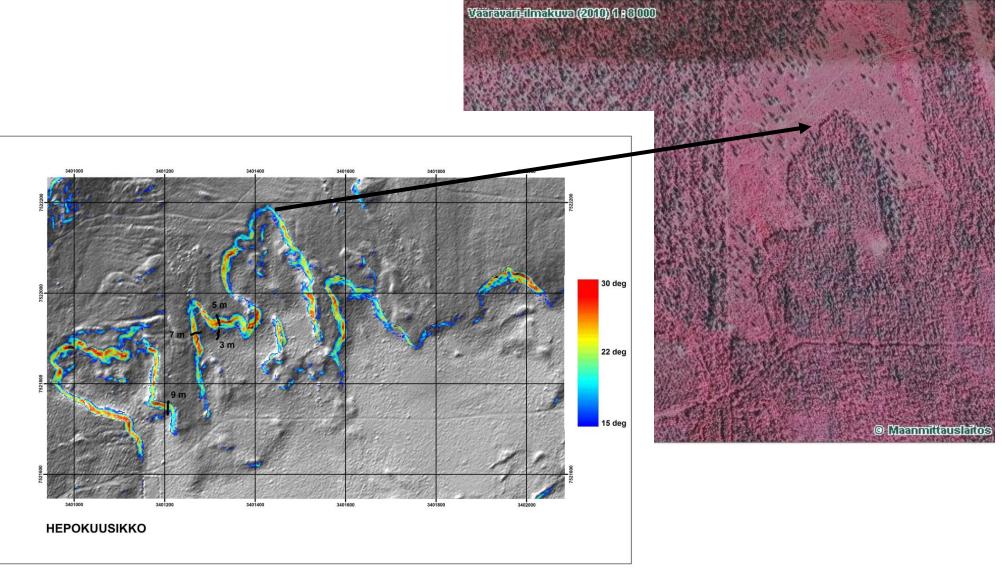
Isovaara (tentatively) postglacial fault



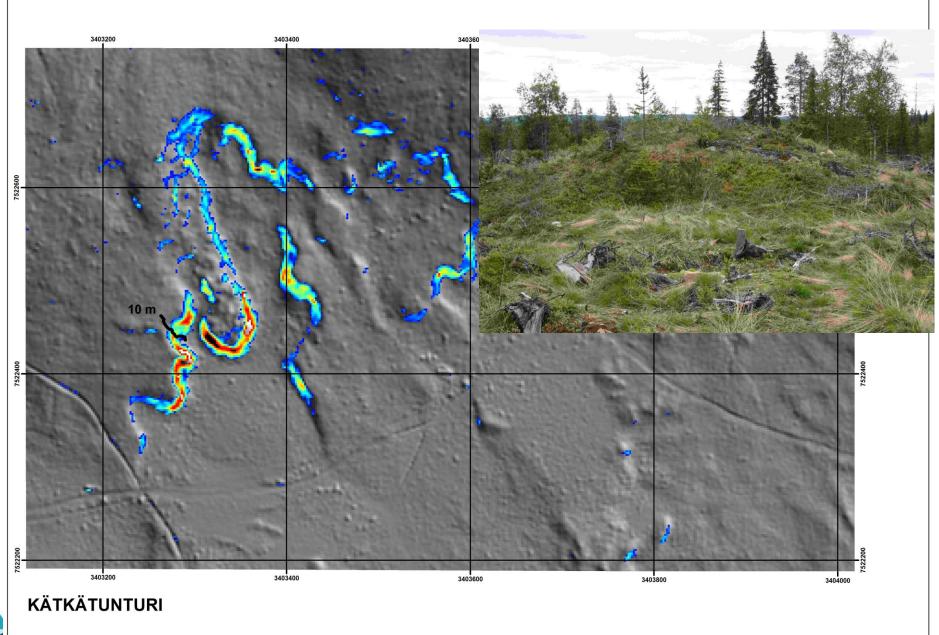






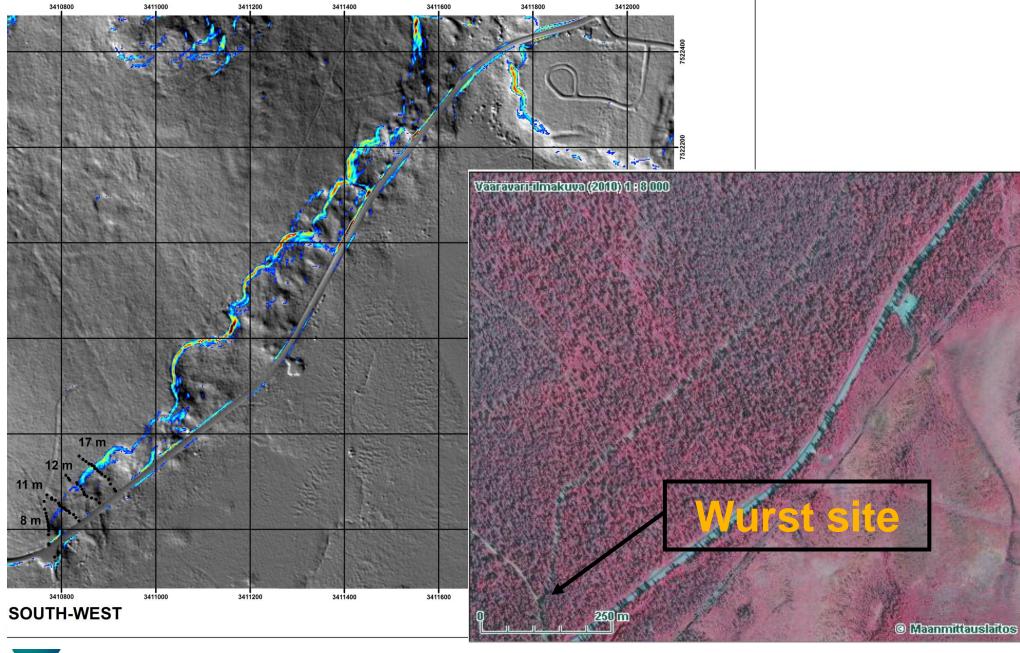




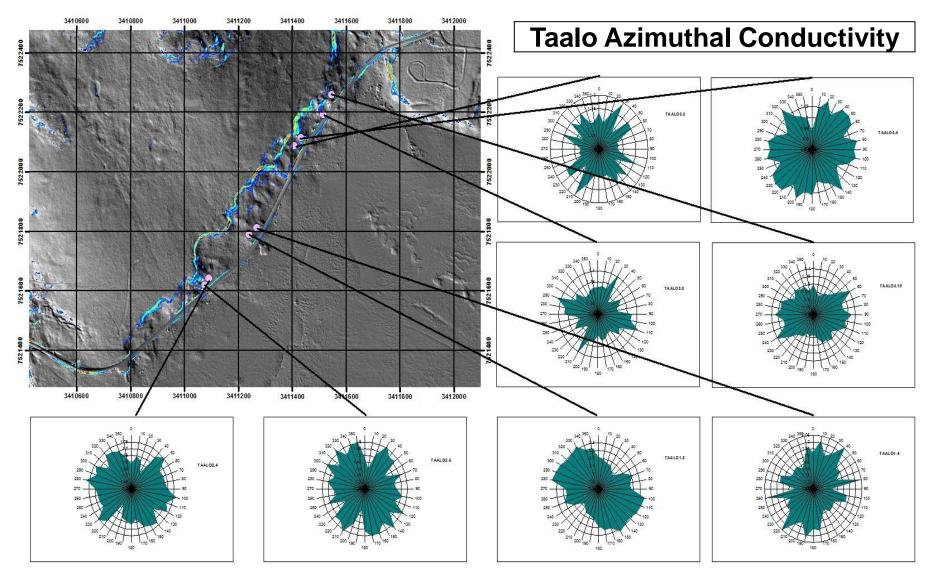




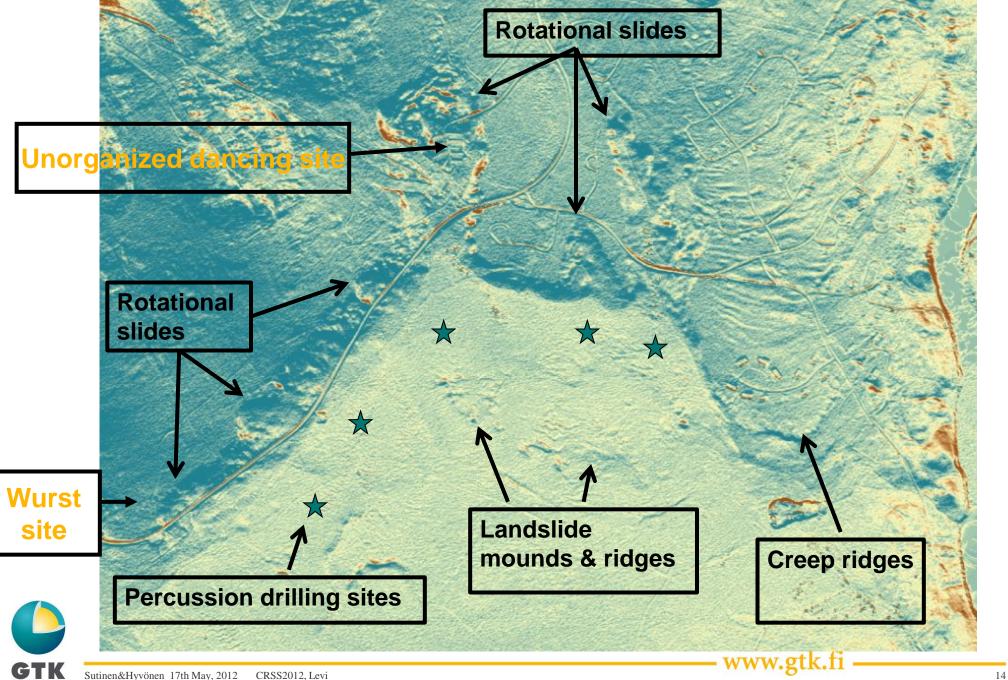
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Concluding remarks:

- i) Paleo-landslides provide regional evidence of post-glacial fault instabilty.
- ii) LiDAR is a verstile tool in mapping of paleo-landslides and post-glacial faults, as well.
- iii) As a part of DAFNE, LiDAR fligths over Lapland is an asset in planning of drilling campaign.

Thank you for your attention